

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference DELBE/P32301PC	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/GB2004/005435	International filing date (day/month/year) 23/12/2004	(Earliest) Priority Date (day/month/year) 23/12/2003	
Applicant DELTA BIOTECHNOLOGY LIMITED			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.
 the text has been established by this Authority to read as follows:

2-MICRON FAMILY PLASMID AND USE THEREOF

5. With regard to the abstract,

the text is approved as submitted by the applicant.
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.
 as selected by this Authority, because the applicant failed to suggest a figure.
 as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

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International application No.

PCT/GB2004/005435

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

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International Application No PCT/GB2004/005435

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/81 C12N1/19

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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EPO-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/44772 A (DELTA BIOTECHNOLOGY LIMITED; VAN URK, HENDRIK; MEAD, DAVID, JOHN; MORT) 3 August 2000 (2000-08-03) cited in the application page 35, line 20 - page 36, line 25 -----	1-47
A	SLEEP DARRELL ET AL: "Yeast 2 mum plasmid copy number is elevated by a mutation in the nuclear gene UBC4" YEAST, vol. 18, no. 5, 30 March 2001 (2001-03-30), pages 403-421, XP008045518 ISSN: 0749-503X the whole document ----- -/-	1-47

<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.
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<input checked="" type="checkbox"/> Patent family members are listed in annex.
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° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- *&* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report
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12 April 2005

21/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016

Authorized officer

Cupido, M

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International Application No

PCT/GB2004/005435

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 291 205 B1 (TUITE MICHAEL F ET AL) 18 September 2001 (2001-09-18) cited in the application column 8, line 61 - line 63 -----	48-63

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Information on patent family members

International Application No

PCT/GB2004/005435

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0044772	A 03-08-2000	AU 763899	B2	31-07-2003
		AU 2120700	A	18-08-2000
		AU 2003248302	A1	30-10-2003
		CA 2359705	A1	03-08-2000
		CN 1339065	A	06-03-2002
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		EP 1149163	A2	31-10-2001
		WO 0044772	A2	03-08-2000
		JP 2002542761	T	17-12-2002
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US 6291205	B1 18-09-2001	AT 237684	T	15-05-2003
		AU 679448	B2	03-07-1997
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		DE 69332893	D1	22-05-2003
		DE 69332893	T2	24-12-2003
		DK 746611	T3	19-05-2003
		EP 0746611	A1	11-12-1996
		ES 2194848	T3	01-12-2003
		JP 7508881	T	05-10-1995
		JP 2004041210	A	12-02-2004
		KR 171205	B1	01-02-1999
		NZ 253873	A	26-10-1995
		WO 9325676	A1	23-12-1993